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(S) NATIONAL RECONNAISSANCE OFFICE  
WASHINGTON, D.C.

THE NRO STAFF

16 October 1969

MEMORANDUM FOR CHAIRMAN, COMIREX MAPPING, CHARTING,  
AND GEODESY WORKING GROUP

SUBJECT: Additional Doppler Beacons for CORONA

REFERENCE: DIA Memorandum for Chairman, COMIREX, Subject:  
Worldwide Positioning Requirements, 1 October  
1969, with enclosure

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The draft USIB paper constituting the enclosure to the referenced memorandum documents a requirement to launch two doppler beacons in addition to the four now provided for in the CORONA program. The paper further indicates a need to schedule some of these missions during the summer months.

This requirement has been reviewed by the NRO Staff and informally discussed with cognizant DIA representatives. It would appear that the additional doppler beacons can be accommodated in a mutually acceptable launch schedule. This would involve, however, in presently unprogrammed costs. These costs result from hardware procurement, integration, and rescheduling as follows:

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Integration and antenna procurement for two  
additional flight vehicles at vehicle -

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Cost of two additional doppler beacons at  
beacon - - - - -

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Rescheduling of an appropriate flight  
vehicle to permit a doppler launch in  
August 1970 - - - - -

Total

The current projected CORONA launch schedule is as listed below with the four doppler beacon payloads as indicated:

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NRO review(s) completed.

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<u>Mission</u>	<u>Launch Date</u>
1108	26 Nov 69
1109	18 Feb 70 (Doppler)
1110	20 May 70 (Doppler)
1111	19 Aug 70
1112	18 Nov 70 (Doppler)
1113	6 Jan 71 (Doppler)
1114	10 Mar 71
1115	19 May 71
1116	1 Sep 71
1117	10 Nov 71

The doppler beacon can be launched on any of the above missions except 1111, which involves an older flight vehicle without this payload capability. Moving this vehicle to the January launch results in the [ ] rescheduling cost but permits the initial four beacons to be launched in sequence (Missions 1109-1112), providing summer launch in August 1970. DIA representatives have stated that these conditions are highly desirable. The additional two doppler launches could then be Missions 1114-1115 or 1115-1116 as desired.

As you are aware, NRP funds in support of the doppler beacon missions have been totally expended, and DOD funds in the amount of [ ] have already been required to provide for increased beacon antenna costs for the currently scheduled launches. Due to severe budgetary limitations on the NRP, the cost of the two proposed additional launches would further have to be borne by supplemental DOD funds.

LEW ALLEN, JR.  
Colonel, USAF  
Director

Cy to: Chairman, COMIREX  
[ ] (SS-4)

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